



PTO/SB/08a (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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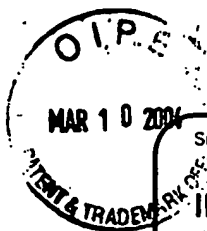
Sheet 1 of 7

Complete if Known

Application Number	10/723,778
Filing Date	November 26, 2003
First Named Inventor	Henry da Costa, et al.
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	IMM174 (51851/279589)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
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XW	80	6,307,465	10/23/2001	Kayma et al.	
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FOREIGN PATENT DOCUMENTS

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Sheet 5 of 7

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Examiner
Signature

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Date
Considered

06/19/2006

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First Named Inventor	Henry da Costa, et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	IMM174 (51851/279589)

U.S. PATENT DOCUMENTS					
Examiner	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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06/19/2006

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet **3** of **7****Complete if Known**

Application Number	Unassigned
Filing Date	November 26, 2003
First Named Inventor	Henry da Costa, et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	IMM174 (51851/279589)

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
XW	74	6,429,846	8/6/2002	Rosenberg, et al.	
XW	75	US 2002/0149561 A1	10/17/2002	Fukumoto et al.	
XW	76	6,610,936	8/26/03	Gillespie	
XW	77	US1997000899317	8/26/2003	Gillespie, David W., et al.	

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
	77	EP	0349086		1/3/1990	Stork Kwant B.V.	✓
	78	JP	01-003604		7/19/1990	Taito Corporation	✓
	79	JP	02-100744		4/10/1992	Epoch Co. and Key- Planning Co.	✓
	80	JP	04-067674		8/8/1990	Taito Corporation	✓
	81	JP	05-109862		4/27/1995	Cage Corporation	✓
	82	WO	87/10546 A1		5/22/1987	Corphoide	✓
	83	JP	2001-050602A		12/24/2001	Ryo et al.	✓
	84	WO	02/12001 A1		2/14/2002	Fukumoto et al.	✓
	85	EP	1102054 A1		2/27/2002	Bosker	✓
	86	WO	02/27043		4/4/2002	Pratzen	✓
	87	WO	02/21807 A1		4/10/2002	Hwang et al.	✓
	88	JP	2002-259058A		8/13/2002	Motoyama et al.	✓

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 4

of 7

Complete if Known

Application Number	Unassigned
Filing Date	August 27, 2003
First Named Inventor	Henry da Costa, et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	IMM174 (51851/279589)

OTHER DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	89	ADELSTEIN, "A Virtual Environment System For The Study of Human Arm Trajectory," Ph.D. Dissertation, Dept. of Mechanical Engineering, MIT, June 1989.
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	98	BLISS, "Optical-to-Tactile Image Conversion for the Blind," IEEE Transactions on Man-Machine Systems, Vol. MM8-11, No. 4, March 1970.
	99	BROOKS et al., "Hand Controllers for Telesoperation - A State of the Art Technology Survey and Evaluation," JPL Publication 85-11, NASA CR 175800, N85-28550, pp. 1-84, 02/1/1985.
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Application Number		Unassigned	
Filing Date		August 27, 2003	
First Named Inventor		Henry da Costa, et al.	
Art Unit		Unassigned	
Examiner Name		Unassigned	
Attorney Docket Number		IMM174 (51851/279589)	

Sheet	5	of	7
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OTHER DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	103	"Cyberman Technical Specification," Logitech-Cyberman SWIFT Supplement, 4/3/1994.	
	104	EBERHARDT et al., "OMAR - A Haptic display for speech perception by deaf and deaf-blind individuals," IEEE Virtual Reality Annual International Symposium, Seattle, WA, Oct. 16-22, 1995.	
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Examiner Signature	/Xiao Wu/	Date Considered	06/19/2006
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Application Number		Unassigned	
Filing Date		August 27, 2003	
First Named Inventor		Henry da Costa, et al.	
Art Unit		Unassigned	
Examiner Name		Unassigned	
Attorney Docket Number		IMM174 (51851/279589)	

Sheet	6	of	7
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OTHER DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	117	KONTARINIS et al., "Tactile Display of Vibratory Information in Teleoperation and Virtual Environments," <u>PRESENCE</u> , 4(4):387-402, 1995.	
	118	LAKE, "Cyberman from Logitech," <u>GameByte</u> , 1994.	
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	125	PATRICK et al., "Design and Testing of a Non-reflective, Fingertip, Tactile Display for Interaction with Remote Environments," <u>Cooperative Intelligent Robotics in Space</u> , Raul J. deFigueiredo et al., Editor, Proc. SPIE Vol. 1987, pp. 215-222, 1998.	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 7 of 7**Complete If Known**

Application Number	Unassigned
Filing Date	August 27, 2003
First Named Inventor	Henry da Costa, et al.
Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	IMM174 (51851/279589)

OTHER DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	131	Sale Flight Instruments Corporation, "Goniol Control Shaker," Pat. No. 0-25602, 1 July 1997.
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Examiner
Signature

/Xiao Wu/

Date
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06/19/2006

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**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	10/723,778
Filing Date	November 26, 2003
First Named Inventor	Henry da Costa, et al.
Art Unit	2673
Examiner Name	Not Yet Assigned
Attorney Docket Number	IMM174 (51851/279589)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
XW	1	US - 5,159,159	10/27/1992	Asher	
XW	2	US - 6,610,917	08/26/2003	Ludwig	
XW	3	US - 6,610,936	08/26/2003	Gillespie et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

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XW	4	PCT Search Report, corresponding to PCT/US04/24358, mailed on February 11, 2005	

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